



Crop Progress and Condition

USDA, NASS, Kentucky Field Office

David Knopf, Director
601 W Broadway, Rm 645
Louisville, Kentucky 40201-1120
(502) 907-3250 or 1-800-928-5277
Email: nassrfoemr@nass.usda.gov

In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: August 30, 2021

Issue: 26-21

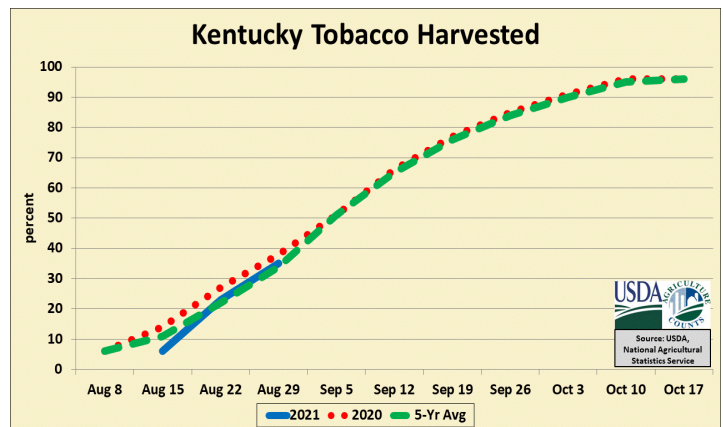
Agricultural News: Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.33 inches, 0.44 inches below normal. Temperatures averaged 80 degrees for the week, 6 degrees above normal. **Topsoil moisture** was rated 3 percent very short, 28 percent short, 65 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 3 percent very short, 26 percent short, 66 percent adequate, and 5 percent surplus. Days suitable for fieldwork averaged 6.0 out of a possible seven.

Primary activities for this week included cutting hay along with topping and cutting tobacco. Corn harvest has initiated for some growers, however most of the crop remains in the fields. A hot August in the commonwealth continued this past week. There were periods of spotty precipitation throughout the state, but few of much significance. Although the precipitation was not heavy, it was timely for field crops. It is of note that the presence of Southern Corn Rust was observed in several counties. As the corn crop matures, producers will look to start harvesting in the coming weeks. Soybeans across the state continue to progress with most of the crop blooming at this juncture. A small portion of soybeans have begun dropping leaves. With 95 percent of the tobacco crop blooming, topping is 82 percent complete. Tobacco cutting continues to move steadily with 35 percent of the crop harvested. The condition of corn, soybeans, and tobacco remain in mostly good condition.

Pastures will benefit from recent rain and will continue to improve with milder temperatures. The condition of hay is mostly good at this time. There were several reports of Army Worms damaging both hay and pasture ground.

SOIL MOISTURE for week ending 08/29/21

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	3	28	65	4
Subsoil	3	26	66	5

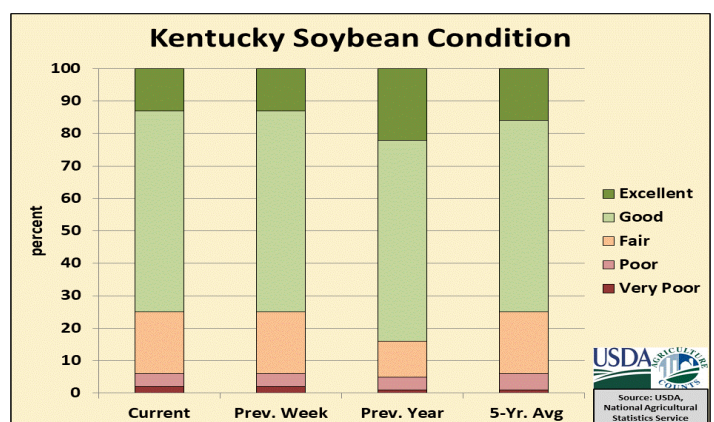
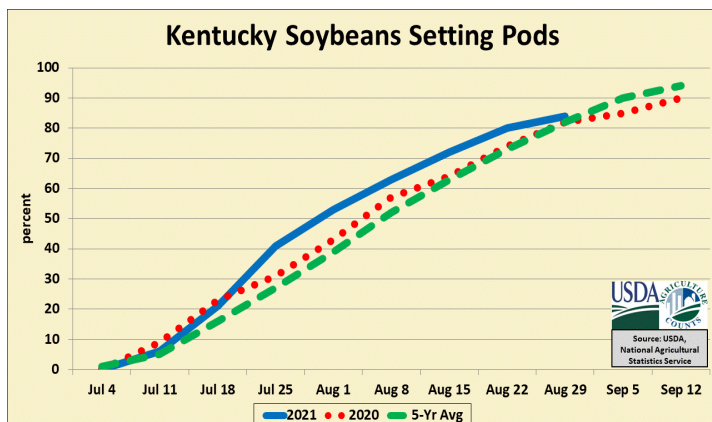


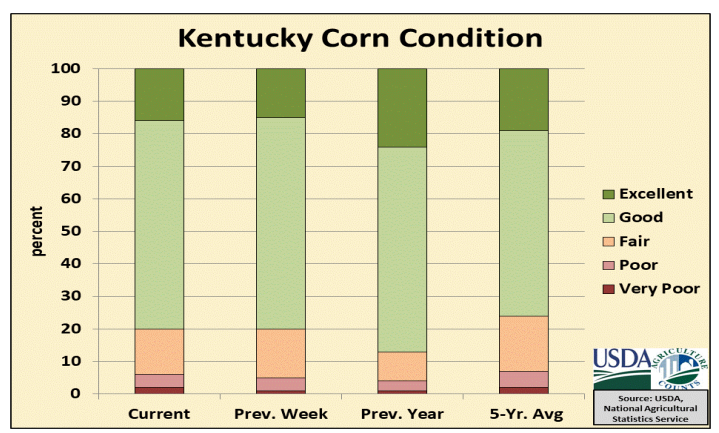
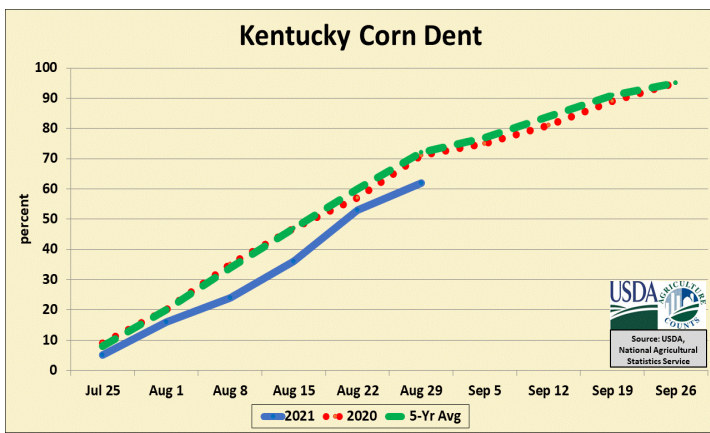
CROP PROGRESS for week ending 08/29/21

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Milked	95	88	98	95
Corn Dough	78	71	89	87
Corn Dent	62	53	71	72
Corn Mature	30	21	35	40
Soybeans Blooming	95	90	94	93
Soybeans Setting Pods	84	80	82	82
Soybeans Coloring	21	14	19	20
Soybeans Dropping Leaves	5	3	7	4
Tobacco Blooming	95	89	95	93
Tobacco Topped	82	75	86	82
Tobacco Cut	35	23	38	34

CROP CONDITIONS for week ending 08/29/21

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	4	14	64	16
Hay	2	4	20	62	12
Pasture	2	7	24	52	15
Soybeans	2	4	19	62	13
Tobacco Set	2	12	21	54	11





Kentucky Climate Summary
For the Period August 23, 2021 to August 29, 2021

Above Normal Temperatures and Below Normal Rainfall:

Heat remained with the area throughout the week with highs consistently peaking in the upper 80s to middle 90s. Combined with dewpoints in the 70s, heat indices once again rose over the century mark for many across the Commonwealth. This has been a trend throughout the month and data at the Ag Weather Center suggests this will be one of the warmest Augusts on record. Preliminary data places August 2021 in the top 20 (data going back to 1895). Rainfall was hit and miss for much of the state. After starting the week mostly dry, the rest of the week featured daily rounds of isolated to scattered activity. Once again, any storm was capable of producing very heavy rainfall and combined with limited coverage, led to quite the range in totals over a short distance. While some locations recorded over an inch, others ran dry.

Temperatures for the period averaged 80 degrees across the state which was 6 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 92 in the West to 90 in the East. Departure from normal high temperatures ranged from 4 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. Low temperatures averaged from 71 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at HARTFORD 3E and the extreme low was 63 degrees at MCKEE 5S.

Precipitation (liq. equ.) for the period totaled 0.33 inches statewide which was 0.44 inches below normal and 43% of normal. Precipitation totals by climate division, West 0.15 inches, Central 0.39 inches, Bluegrass 0.57 inches and East 0.21 inches, which was 0.55, 0.4, 0.19 and 0.61 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 3.28 inches at WINCHESTER 3NW.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 08/29/21 4 p.m.

Weather Station	Rainfall			Deviation From		Air Temperatures				Growing Degree Days		
	Last Week	Since Apr 1	Last Four Wks.	Norm. Since Apr 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.	Last Week	Since Apr 1	Dev. Since Apr 1
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>
Bardstown	0.08	23.53	4.05	2.84	0.50	92	67	80	7	210	2,930	5
Berea	0.10	21.64	3.42	0.47	-0.18	91	64	78	6	198	2,662	-323
Bowling Green	0.88	18.06	2.77	-3.39	-0.40	95	70	83	10	228	3,351	313
Bristol	0.01	15.21	2.93	-2.82	0.07	94	65	80	8	206	2,760	-23
Buckhorn Lake	0.00	18.70	4.78	-1.56	1.48	90	64	78	6	194	2,740	88
Cape Girardeau	0.00	20.22	1.66	0.33	-1.49	94	68	82	8	222	3,267	97
Campbellsville	0.22	17.62	2.99	-6.12	-1.14	92	66	79	6	206	2,824	-137
Covington	1.40	24.92	4.45	5.68	1.42	93	68	81	9	215	2,916	177
Cumberland Gap	0.08	21.34	4.85	-1.13	0.94	92	66	79	7	202	2,843	81
Dix Dam	0.69	25.33	5.32	4.09	1.80	90	67	79	7	201	2,841	-77
Evansville	0.19	19.00	6.72	-0.21	3.91	96	70	83	9	229	3,184	164
Glasgow	0.98	25.54	6.84	2.25	3.20	92	68	80	7	210	2,958	12
Grayson	0.00	20.38	5.77	0.28	2.38	92	66	80	8	208	2,782	169
Hardinsburg	0.13	19.28	1.53	-2.00	-1.88	93	67	80	7	212	2,887	-161
Henderson	0.27	16.98	3.19	-2.68	0.33	93	68	81	7	214	2,927	-147
Huntington	0.06	27.58	4.68	7.40	1.12	93	67	81	9	214	2,893	92
Jackson	0.02	24.66	7.77	3.26	4.15	92	67	80	8	210	3,016	364
Lexington	0.00	24.28	5.27	3.59	1.72	91	65	79	7	204	2,740	-97
London	0.07	23.95	3.89	4.29	0.90	92	66	80	8	209	2,877	78
Louisville	0.31	18.32	1.73	-1.81	-1.47	97	73	85	12	245	3,453	431
Mayfield	0.00	26.13	4.82	4.63	1.36	92	67	79	5	204	3,044	-31
Nashville	0.19	22.61	3.97	2.58	0.84	98	72	84	11	240	3,518	278
Nolin Lake	0.41	29.14	5.25	6.65	1.86	96	68	80	7	212	2,974	167
Paducah	0.04	22.11	2.23	0.80	-0.79	96	69	82	8	228	3,346	213
Princeton	0.29	25.96	2.99	4.31	-0.63	92	68	80	6	212	3,007	-119
Quicksand	0.01	23.50	7.43	2.10	3.81	91	67	79	7	202	2,758	106
Somerset	0.54	23.13	3.10	0.91	-0.44	90	63	78	6	192	2,676	-157
Spindletop	0.68	23.75	4.53	3.06	0.98	89	68	79	7	203	2,780	-57
Williamstown	0.72	23.18	3.07	2.83	-0.30	90	67	79	7	203	2,668	-107

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.